

REMARKS

Claims 1-8 are now presented for examination. Claims 2 and 3 have been cancelled without prejudice or disclaimer of subject matter. Claims 1 and 7 have been amended to define still more clearly what Applicant regards as his invention, in terms which distinguish over the art of record. Claim 8 has been added to assure Applicant of the full measure of protection to which he deems himself entitled. Claims 1 and 7 are the only independent claims.

The drawings have been objected to as containing foreign language and characters. It is proposed that the enclosed formal drawings be substituted for the originally filed drawings. These drawings are believed to overcome the objections of the Examiner and the Office Draftsperson. No new matter has been added.

It is further proposed that Fig. 6 of the formal drawings be amended to correct the typographical error in "Remaining" in element 1105 and that Fig. 10 be amended to insert a reference numeral "1" for the CPU as disclosed in the specification. The proposed changes are shown indicated in red in the enclosed drawing sheets. Approval of the formal drawings and the changes thereto is respectfully requested.

The disclosure has been objected to for the informalities and grammatical errors set forth in the Office Action. The specification and the abstract have been

carefully reviewed and amended as to matters of form and the informalities noted by the Examiner have been corrected.

Claims 1-6 have been rejected under 35 U.S.C. § 103 as unpatentable over U.S. Patent 5,239,495 (Nanno et al.) in view of U.S. Patent 5,384,564 (Wycoff et al.).

Independent Claim 1 as amended is directed to electric equipment with a power saving mode in which a derivation unit derives a remaining capacity of a battery and a selection unit selects one of plural power saving modes. A calculating unit calculates the remaining operating time from data derived by the deriving unit and the selected power saving mode. The calculated remaining operating time is displayed on a display unit.

Claim 7 as amended is directed to a method of operating electric equipment in which a signal representing the remaining capacity of a battery that supplies power is generated and one of plural power saving modes is selected. The remaining operating time is calculated from the remaining battery capacity representative signal and the selected power saving mode. The calculated remaining operating time is displayed.

The features of Claims 1 and 7 as amended and newly added Claim 8 relating to remaining operating time calculation and display are shown at least in Figs. 1, 5 and 10 and are disclosed in the corresponding portions of the specification. No new matter is believed to have been added.

In Applicant's view, Nanno et al. discloses a portable computer power control system operable in response to power supplied from a rechargeable battery or an alternating current adapter. In the control system, a charge unit charges the rechargeable battery and current detectors detect power status. A power control microprocessor controls the charge unit independently of the main CPU in response to the detected power status.

It is a feature of Claim 1 as amended that the remaining operating time is calculated responsive to derived remaining battery capacity and a selected power saving mode and the calculated remaining operating time is displayed. Nanno et al. may teach determining a power saving mode from a display state of an LED (L1) and determining remaining battery capacity from the display state of another LED (L2). The power saving mode and remaining battery capacities in Nanno et al. provide independently data that are not combined and are used only to indicate the operating state of a portable computer. The Nanno et al. arrangement, however, is devoid of any disclosure of calculating remaining operating time according to remaining battery capacity and selected power saving mode as in Claims 1 and 7. It is therefore not seen that Nanno et al. in any manner suggests the remaining operating time calculation and display features of Claims 1 and 7.

In Applicant's opinion, Wycoff et al. discloses a battery saving arrangement for a selectively addressable

portable receiver in which a power saving circuit is responsive to the absence of a preamble in a received signal to deactivate signal processing circuits of the receiver.

The power saving circuit causes the signal processing circuits of the receiver to operate in a low power mode in which the signal processing circuits are deactivated for an extended period of time when a received signal includes an inverted synchronizing signal following the last codeword transmitted. The signal processing circuits are maintained in the low power mode responsive to a received signal that includes the preamble signal followed immediately by an inverted synchronizing signal.

Wycoff et al. may teach that one of plural power saving mode may be selected. The selection in Wycoff et al., however, is automatic and responsive to incoming signals. Further, Wycoff et al. is devoid of any suggestion of calculating a remaining operating time from a remaining battery capacity signal and a selected power saving mode and displaying the remaining operating time as in Claims 1 and 7. Accordingly, the addition of Wycoff et al.'s automatic selection of a power saving mode in response to a received signal to Nanno et al.'s providing independent data on power saving mode and remaining battery capacity is not seen in any manner as suggesting the features of calculating remaining operating time responsive to data derived from remaining battery capacity and a selected power saving mode and displaying the calculated remaining operating time of Claims

1 and 7. It is therefore believed that Claims 1 and 7 as amended are completely distinguished from any combination of Nanno et al. and Wycoff et al. and are allowable.

A review of the other art of record has failed to reveal anything which, in Applicant's opinion, would remedy the deficiencies of the art discussed above, as references against the independent claims herein. Those claims are therefore believed patentable over the art of record.

The other claims in this application are each dependent from one or another of the independent claims discussed above and are therefore believed patentable for the same reasons. Since each dependent claim is also deemed to define an additional aspect of the invention, however, the individual consideration or reconsideration, as the case may be, of the patentability of each on its own merits is respectfully requested.

In view of the foregoing amendments and remarks, Applicant respectfully requests favorable consideration and

reconsideration and early passage to issue of the present application.

Applicant's undersigned attorney may be reached in our New York office by telephone at (212) 758-2400. All correspondence should continue to be directed to our below listed address.

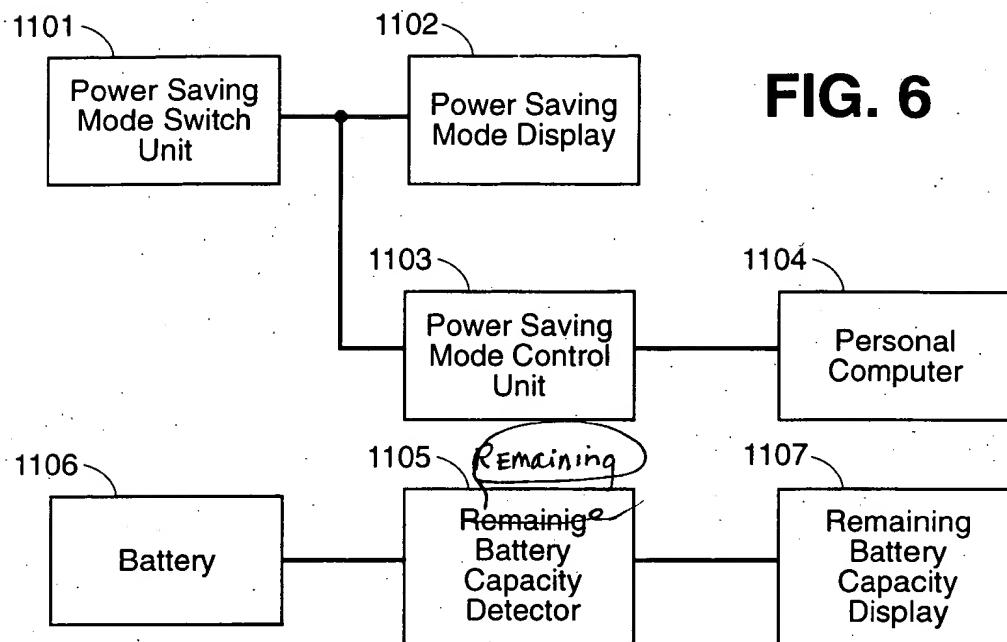
Respectfully submitted,


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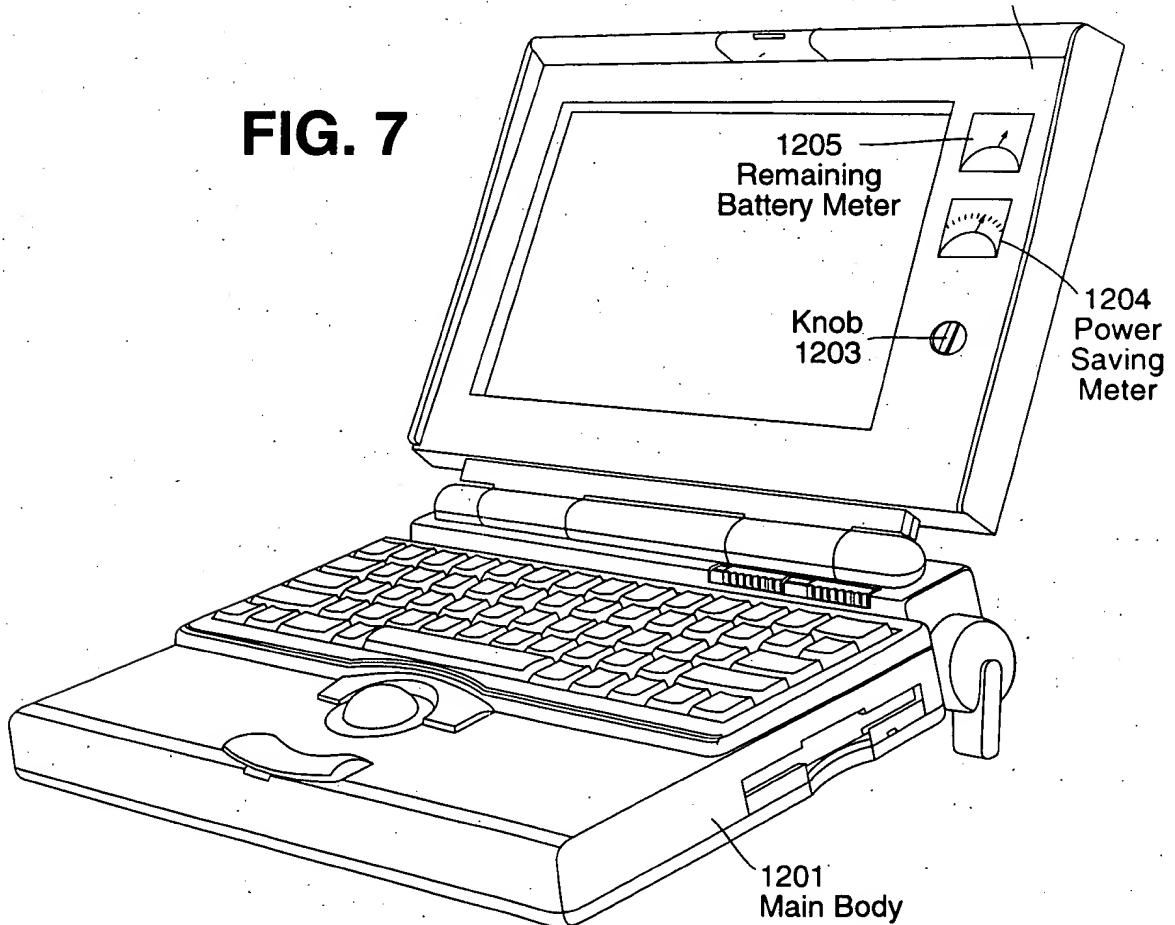
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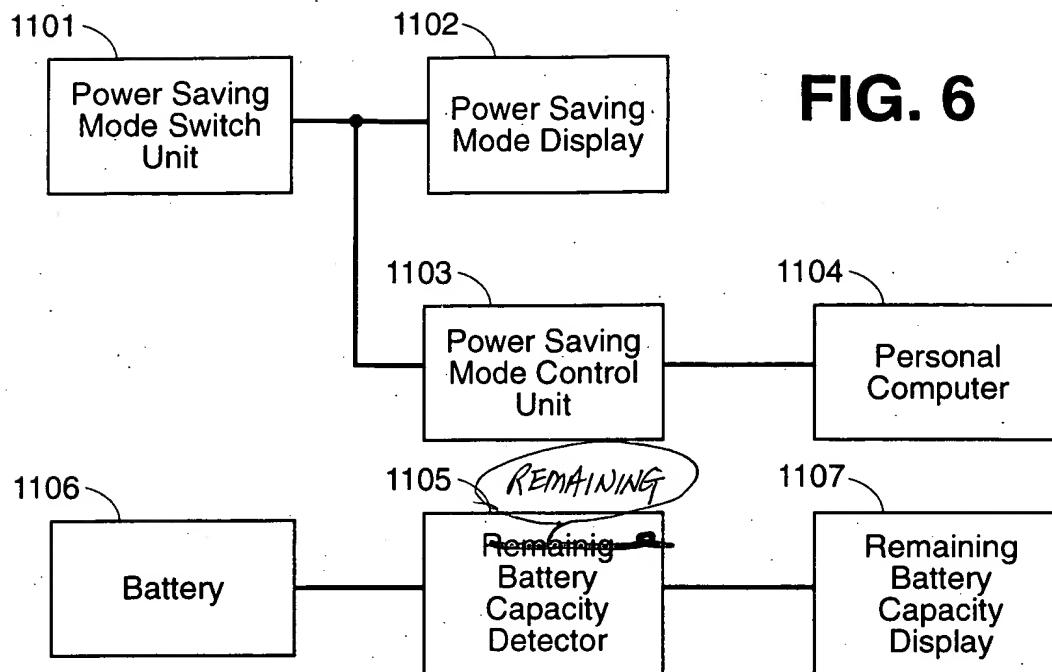


Display Unit 1202

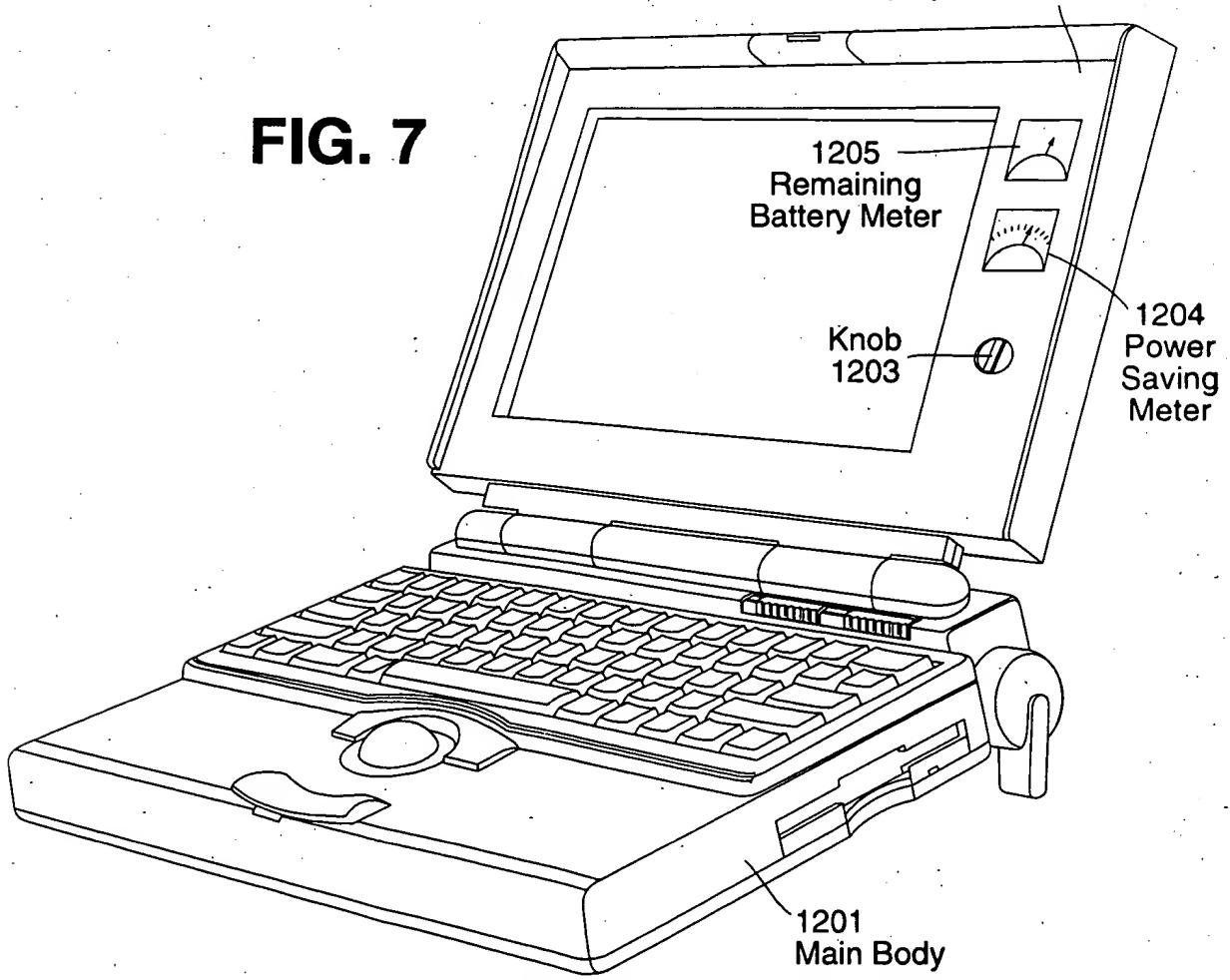
FIG. 7



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Display Unit 1202



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FIG. 9

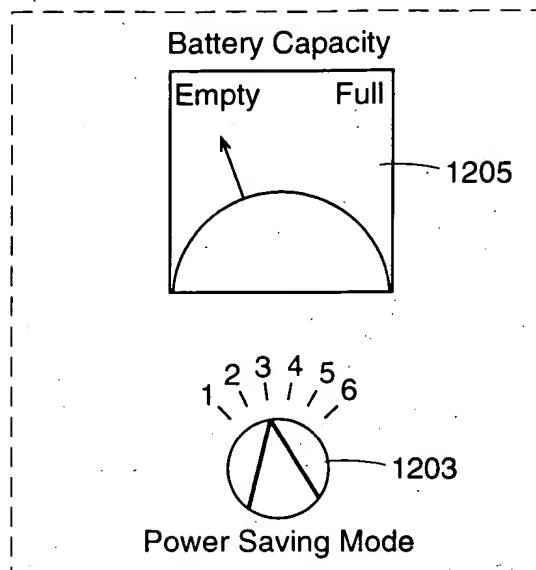
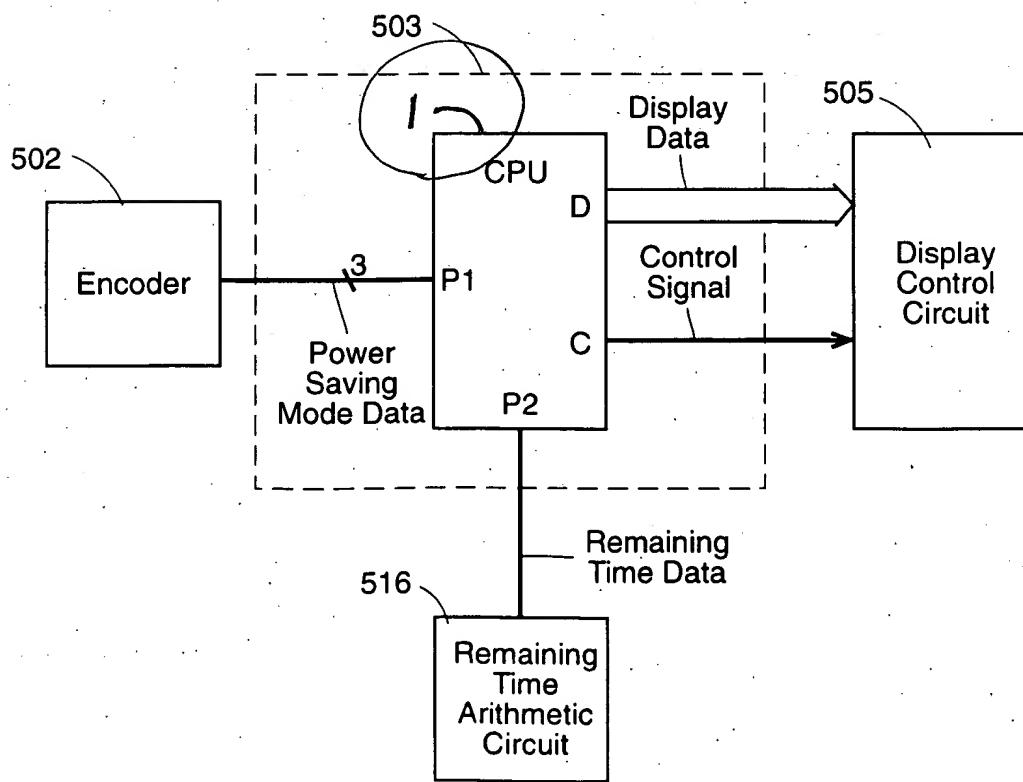


FIG. 10



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FIG. 9

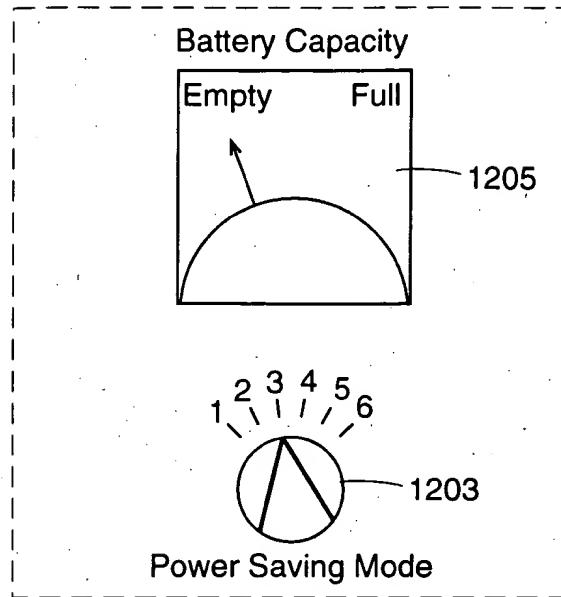


FIG. 10

